Modifications to the identification key in the Field Guide to the Sedges of the Pacific Northwest, as of August 24, 2009.

**Key A.** (We have been informed of dioecious *C. nigricans* populations in Montana; they cannot be identified using this key.)

## Key A1, p. 40.

- 5b. Leaves <3 mm wide; substrate serpentine or not

#### Key A5, p. 42.

- **Key B.** (We have been informed of dioecious *C. nigricans* populations in Montana; they cannot be identified using this key.)

## Key C3, p. 46.

3a and 3b. Remove reference to the sheath of the lowest inflorescence bract; we find that *C. pellita* can occasionally have such sheaths that are as much as 10 mm long.

#### Key E, p. 46

- 2a. Pistillate scales with a prominent scabrous awn often as long as the scale body or longer
- 2b. Pistillate scales awnless, acute to acuminate (or rarely with a smooth-sided awn or some scales with a short, inconspicuous, scabrous awn much shorter than the scale)

### Key F4, p. 49.

2b. Spikes 1 - 3 (-4) cm long, erect; plants to 60 cm tall

**Key F4, p. 49.** *Carex mertensii* may have a long sheath on the lowest inflorescence bract. Therefore, modify Key F4 (page 49) as follows:

- 6a. Perigynia strongly flattened, ovate, AND much larger than the achene; terminal spike gynecandrous

- 6b. Perigynia +/- trigonous, not much larger than the achene; terminal spike staminate or androgynous

#### Key F6, p. 51.

- 3.5b. Perigynia not flat, little longer or wider than the achenes
- **Key F6, p. 51-52.** The key leads 11 14 can work well, but variation in perigynia may occur in *C. spectabilis* and some northern *C. heteroneura* var. *epapillosa*. Unfortunately, occasional unusual plants cause errors when using all the possible leads we have devised. Therefore, please try these alternatives and let us know which you find most consistently helpful.

Alternative 1 (a great alternative for typical plants, but abnormal plants occur and even normal terminal spikes may be misinterpreted)

- 11a. Terminal spike typically gynecandrous
- 11b. Terminal spike typically staminate or androgynous

13a. Perigynia wider, well over half as wide as long, the ribs distinctly inframarginal on the dorsal side, the true margins thin and veinless
Alternative 2
11a. Perigynia ovate, well over half as wide as long
12a. Ribs of perigynia displaced from the margins
13a. Spikes 2 – 4, erect; habitat subalpine and alpine meadows C. paysonis
13b. Spikes 4 – 6 (-9), drooping gracefully; habitat lowland to montane meadows and forest edges
12b. Ribs of perigynia at the margins Key F8, p. 53
11b. Perigynia elliptical, up to or about half as wide as long
14a. Terminal spike staminate; inflorescence looser, the lower spikes usually stalked and somewhat drooping
14b. Terminal spike gynecandrous; inflorescence dense, the lower spikes usually short-stalked and ascending although the entire heavy inflorescence may cause the entire culm to arch downward
Key G3, p. 55.
6a. Habitat mostly coastal wetlands and ditches (rarely introduced inland); pistillate spikes 4 – 6+ mm wide, crowded, the lower ones much longer than the internodes between them
6b. Habitat mostly in or east of the Cascades; pistillate spikes $1-4$ (-5) mm wide, less crowded
Key I, p. 63.
15a. Perigynium beaks serrulate on margins
15.5a. Inflorescence green to tan, perigynia $\pm$ - spreading when ripe, exposed by pistillate scales, $2-3$ (-3.5) mm long, $1.2-1.5$ mm long
15.5b. Inflorescence brown (with green when young), perigynia appressed, $+/-$ hidden by pistillate scales, $3.5-4.2$ mm long, $1-1.2$ mm wide
15b. Perigynium beaks smooth on margins

# Key I1, p. 64.

**Key I2.** (In this key, beak length should be measured as the distance from achene top to beak tip.) Caution: perigynium beaks mature before perigynium bodies, so plants with immature perigynia are likely to be misidentified.

### Key J, p. 65.

Lead 6: plants with green perigynia but brown or blackish scales should be sought under lead 6a (in Key J5).

**Key J2, J5, J6, pp. 66-69.** Plants that key to *C. harfordii* in our key are *C. subbracteata*. Apparently *Carex harfordii* does not occur in Washington or Oregon but *C. subbracteata* occurs near the coast in both states, and as far east as Jackson County in Oregon. Stay tuned for more information.

### Key J3, p. 66.

wid	er									<i>C</i> .	tribuloi	des var.	tribule	oides
both	n end	ds; pe	rigyn	ium us	sually w	ider i	n the bo	ody tl	han tl	ne beak,	though	perhaps	not m	uch
2a.	Spil	kes st	rongl	y over	lapping	(over	lapping	for 1	much	of their	· length)	, usually	y taper	ed at

2b. Spikes more spread out (the lower ones not or slightly overlapping), subglobose; perigynium as wide (or wider) in the lower half of the beak as in the body ..... *C. projecta* 

# Key J5, p. 67-68

7a. Perigynium beak winged to the tip, or with very short (< 0.4 mm long) unwinged, brown, and parallel-sided tip

7b. Perigynium beak with long (at least 0.4 mm long) unwinged, brown, and parallel-sided tip